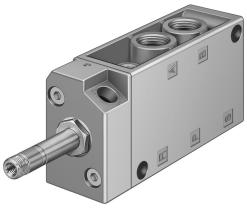
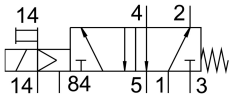
Air solenoid valve MFH-5-1/4-S-NPT

Part number: 12618

FESTO





Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Width	30.5 mm
Standard nominal flow rate	1000 l/min
Pneumatic working port	1/4 NPT
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	0 MPa...0.8 MPa 0 bar...8 bar
Structural design	Plate seat
Reset method	Mechanical spring
Certification	c UL us - Recognized (OL)
Degree of protection	IP65
Nominal width	7 mm
Width dimension	32 mm
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of control	Pilot-controlled
Pilot air supply port	External
Flow direction	Non-reversible
Lap	Underlap
Pilot pressure MPa	0.15 MPa...0.8 MPa
Pilot pressure	1.5 bar...8 bar
b-value	0.19
C value	4.49 l/sbar
Switching time off	29 ms
On switching time	9 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse on 1 signal	3700 µs
Coil characteristics	See solenoid coil, to be ordered separately
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C...60 °C
Temperature of medium	-10 °C...60 °C
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...40 °C
Product weight	290 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Optionally: On terminal strip With through-hole
Pilot exhaust air port 84	M5
Pilot air port 14	10-32 UNF-2B
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	1/4 NPT
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	NBR TPE-U(PU)
Housing material	Die-cast aluminum